BEFORE THE ILLINOIS COMMERCE COMMISSION SPRINGFIELD, ILLINOIS

CASE NO. 07-0428		
NORTH COUNTY COMMUNICATIONS CORP.,		
Complainant,		
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VERIZON NORTH, INC., et al.,		
Respondents.		

PRE-FILED REBUTTAL TESTIMONY OF TODD LESSER

October 9, 2007

PRE-FILED REBUTTAL TESTIMONY OF TODD LESSER

- 1 **Q:** Please state your name, business address and title.
- 2 A: My name is Todd Lesser. My business address is 3802 Rosecrans Street, Suite 485, San
- 3 Diego, California 92110. My telephone number is (619) 364-4750.
- 4 As stated in my direct testimony, I am President of North County Communications
- 5 Corporation (hereinafter "NCC") and have held that position since 1995. NCC is a privately-
- 6 held, facilities-based competitive local exchange carrier ("CLEC") with operations in California,
- 7 Oregon, Washington, Arizona, Illinois, and West Virginia. In addition, NCC is a facilities-based
- 8 interexchange carrier ("IXC") in California, Arizona, Nevada, Utah, Illinois, Indiana, Michigan,
- 9 Ohio, Pennsylvania, New York, and New Jersey. See Lesser Direct Testimony, lines 5-18.
- 10 **Q:** Have you had an opportunity to review the direct testimony submitted in this proceeding
- by Commission Staff's Dr. James Zolnierek and Verizon's Edward Googe?
- 12 **A:** Yes, I have.
- 13 **Q:** Have you ever spoken to or communicated with Verizon's Edward Googe about the
- topics he addresses in his direct testimony or the dispute NCC has with Verizon in this
- proceeding?
- 16 **A:** Never.
- 17 **Q:** Do you agree with Verizon's characterization of NCC's Complaint?
- 18 A: No. Verizon misstates the issues when it claims that the Complaint "boils down to two
- 19 fundamental questions." See Googe Testimony at 5, lines 12-18. The true issue in this
- 20 proceeding is whether it is anticompetitive, discriminatory and otherwise unlawful for Verizon to
- 21 leverage its monopoly power in the LIDB/CNAM information access and transmission market
- by hosting Verizon's own LIDB/CNAM data in databases owned and controlled by Verizon
- 23 while simultaneously refusing to access NCC's LIDB/CNAM data if NCC elects to store such
- data in NCC-owned and -controlled databases. NCC believes that Verizon's conduct is
- 25 unlawful.

26	In fact, Verizon has distorted, and continues to distort, the LIDB/CNAM data access and
27	transmission market. In storing and hosting Verizon LIDB/CNAM information in Verizon
28	databases, Verizon allows NCC access to that information by one of only two means: (1) direct
29	access by connecting to the databases through Verizon; or (2) indirect access by using a third-
30	party data company to access, query and transmit the data. In accessing the LIDB/CNAM data
31	of NCC, however, Verizon refuses to obtain such information through either of those methods
32	and, instead, insists on requiring NCC to choose between two equally unattractive options: (1)
33	storing its LIDB/CNAM data with Verizon; or (2) storing its LIDB/CNAM data with a Verizon-
34	approved third-party data aggregator. Verizon has made clear the fact that it will refuse to query
35	NCC's LIDB/CNAM data if NCC stores that data in NCC's own databases. See Lesser Direct
36	Testimony, lines 180-182, Ex. J; see also Googe Direct Testimony at 8, lines 8-10 (noting that
37	NCC has two options: store its LIDB/CNAM data with Verizon or store such data with a third
38	party); see also Verizon Response to NCC DR-118 appended hereto at Exhibit A.
39	Q: What is Staff's position regarding these limited options presented by Verizon?
40	A: Staff provides an excellent summary of a central point in this matter when it states that
41	NCC should not be required to supply its data in bulk to a third-party vendor if NCC "can self-
42	provide these services more cost effectively." See Zolnierek Direct Testimony, lines 413-420.
43	However, it is not just a matter of money and profit. By attempting to control how and where
44	NCC stores its data, Verizon interferes with NCC's right to protect, in a reasonable fashion, its
45	proprietary information.
46	Furthermore, Staff believes that it would be "anti-competitive for Verizon to refuse to
47	obtain NCC LIDB and CNAM information from some source, provided it can do so on
48	reasonable rates, terms and conditions." See Zolnierek Direct Testimony, lines 433-441. Staff
49	reaches that conclusion without the benefit of knowing that Verizon also dictates both the rates
50	VeriSign will charge to Verizon for access to CLECs' LIDB/CNAM data and, thus, the rates
51	VeriSign will pay to the CLECs for such queries by Verizon. See Verizon Supplemental

52	Response to Staff DR JZ VZ-8, a copy of which is appended hereto at Exhibit B. I believe Staff			
53	would strengthen its position regarding the conclusion that Verizon's behavior is anticompetitive			
54	and unlawful if Verizon were not stonewalling the discovery process in an attempt to hide			
55	damaging contracts that show the full extent of the control Verizon exercises over the pricing, on			
56	all levels, in the LIDB/CNAM information market.			
57	Q: Are you suggesting that Verizon should not be allowed to store its own LIDB/CNAM			
58	data in it own database?			
59	A: No, I'm not. I'm saying that there is an unlevel playing field in the LIDB/CNAM data			
60	storage and access universe that has been created and is maintained by Verizon. Verizon should			
61	not be allowed to prohibit NCC from storing NCC's LIDB/CNAM data in databases owned and			
62	controlled by NCC. Verizon admits that it and "many local exchange companies" maintain their			
63	own databases for their own line numbers. See Googe Direct Testimony at 7, lines 1-8. Despite			
64	that admission, Verizon has decided it will not query, access or transmit the LIDB/CNAM data			
65	of NCC if NCC elects the storage process utilized by "many local exchange companies."			
66	Q: Is Verizon's claim that it does not and cannot prohibit NCC from storing its own			
67	LIDB/CNAM data an accurate assertion?			
68	A: Verizon says that it does not prevent NCC from storing its own data. See Googe Direct			
69	Testimony at 16, lines 2-3. But that's a deceptive statement, which, in light of the market			
70	realities, cannot pass the straight-face test. It's true that Verizon does not specifically say that			
71	NCC cannot store its own LIDB/CNAM data; however, Verizon has stated that it will not access			
72	query or transmit NCC's LIDB/CNAM data if NCC stores such data in NCC's own databases.			
73	See Lesser Direct Testimony, lines 180-182, Ex. J; see also Googe Direct Testimony at 8, lines			
74	8-10 (noting that NCC has two options: store its LIDB/CNAM data with Verizon or store such			
75	data with a third party); see also Verizon Response to NCC DR-118 appended hereto at Ex. A.			
76	If NCC wants to provide the same level of service offered by Verizon, NCC must make			
77	its LIDB/CNAM data available to Verizon. That reality presents a classic Catch-22: Verizon			

78	says that NCC can do whatever NCC elects to do, but, if NCC stores its own data, Verizon will	
79	not query, access or transmit that data.	
80	Q: Is Verizon merely refusing to enter into a direct agreement to access that data from NCC	
81	databases?	
82	A: No. Verizon has gone beyond that point. Verizon has stated that it will not access, query	
83	or transmit NCC's LIDB/CNAM data – either directly or through a third party – if NCC stores	
84	that data in NCC databases. See Lesser Direct Testimony, lines 180-182, Ex. J; see also Googe	
85	Direct Testimony at 8, lines 8-10 (noting that NCC has two options: store its LIDB/CNAM data	
86	with Verizon or store such data with a third party); see also Verizon Response to NCC DR-118	
87	appended hereto at Ex. A.	
88	Given Verizon's refusal to access NCC's data (either directly or through a third party) if	
89	that data is stored by NCC in NCC's databases, Staff's discussion of possible Verizon queries of	
90	NCC's data through a third-party intermediary is unrealistic and moot. See Zolnierek Direct	
91	Testimony, lines 182-188.	
92	Q: What can you say about Verizon's claim that it does not compel NCC to store its data	
93	with a third-party data provider?	
94	A: Verizon says that it "did not require or compel NCC to enter into a contract with	
95	VeriSign for storage of NCC customers' CNAM and LIDB information." See Googe Direct	
96	Testimony at 16, lines 1-18. That is simply more deception on Verizon's part. It is a completely	
97	fallacious and disingenuous argument. Unfortunately, Staff appears to have fallen for Verizon's	
98	smoke-and-mirrors routine. See Zolnierek Direct Testimony, lines 422-431. When presented	
99	with the reality of the situation, I believe Staff will change its opinion.	
100	Based on the situation created by Verizon's demands, NCC must store its data with either	
101	Verizon or a Verizon-approved third party. See Googe Direct Testimony at 8, lines 8-10 (noting	
102	that NCC has two options: store its LIDB/CNAM data with Verizon or store such data with a	
103	third party); see also Verizon Response to NCC DR-118 appended hereto at Ex. A; see also	

104	Lesser Direct Testimony, lines 198-211; see also Googe Direct Testimony at 7, lines 10-18. If			
105	NCC elects to store its data with a third party, it may only store that data with a Verizon-			
106	approved company. Verizon admits that point when it says "Verizon only 'dips' data through			
107	third party data aggregators with which it has contracts." See Googe Direct Testimony at 16,			
108	lines 10-11. Again, Verizon presents a Catch-22: NCC is not free to select its preferred third			
109	party, and cannot, under any circumstance, store its own data if it wants Verizon to dip that data.			
110	See Googe Direct Testimony at 8, lines 8-10 (noting that NCC has two options: store its			
111	LIDB/CNAM data with Verizon or store such data with a third party); see also Verizon			
112	Response to NCC DR-118 appended hereto at Ex. A.			
113	Similarly, Staff's testimony refers to the notion that carriers may "elect" to store their			
114	data within a database owned by a third-party provider. See Zolnierek Direct Testimony, lines			
115	147-154. Unfortunately, Staff overlooks the fact that NCC's "election" to store its LIDB/CNAM			
116	data with a third party is a Hobson's choice. NCC and the "smaller guys" have no choice. If			
117	NCC wants its LIDB/CNAM data to be queried by Verizon, NCC must store that data with either			
118	Verizon or a Verizon-approved third party.			
119	Q: Is NCC free to select the third-party database provider of its choice?			
120	A: No. NCC must choose from third parties approved by Verizon. For instance, Verizon			
121	does not dip data stored by Accudata. See Lesser Direct Testimony, lines 350-353, Ex. U.			
122	Q: Why do you think Verizon will not query data hosted by Accudata?			
123	A: I believe Verizon will not dip through Accudata because Accudata has refused to			
124	succumb to Verizon's demands regarding price. Due to Verizon's large number of customers			
125	and huge amount of customer-related data, Verizon possesses significant market power in the			
126	data market. See Zolnierek Direct Testimony, lines 325-343, 436-441.			
127	Verizon won't do business with companies that do not acquiesce to Verizon's demands.			
128	It is a usual Verizon tactic in that Verizon sets the standards and makes whatever demands it			

129	wants, then, when a company challenges the situation, Verizon says, "but those are the rules and			
130	the standards."			
131	Q: Do you question the veracity of Verizon's statement that it does not purchase			
132	LIDB/CNAM data directly from any telecommunications carrier?			
133	A: Based on Verizon's responses to NCC's data requests, I can only characterize that			
134	statement as a complete fabrication. Verizon went to great lengths in the discovery process to			
135	hide all information regarding agreements with other carriers and with third-party data providers			
136	and aggregators. Indeed, a motion to compel is pending in this proceeding on that issue. As for			
137	the documents that were produced, Verizon, despite the protective order, blocked out key			
138	information in an attempt to prevent NCC and this tribunal from identifying Verizon's			
139	falsehoods. In one such document, Verizon inadvertently failed to block out information that			
140	identified the contracting party as *******, despite its continued denial that it has direct			
141	agreements with any other carrier. See Verizon Response to NCC DR-28, attached hereto at			
142	Exhibit C.			
143	Verizon's discovery responses indicate that it is entering into a direct agreement with			
144	********. See Lesser Direct Testimony, lines 588-598, Ex. J. In addition, in its discovery			
145	responses, Verizon produced a contract with ******** under which Verizon purchases			
146	******* CNAM database information. See Lesser Direct Testimony, Ex. S. Under that			
147	agreement with ********, Verizon is required to "[q]uery the ************ Calling			
148	Name Database for all calls that terminate to VERIZON customers who subscribe to			
149	VERIZON'S CNAM service when the calling party's number resides in the ***********			
150	Calling Name Database." See Lesser Direct Testimony, Ex. S.			
151	That ******** contract contradicts Verizon's statements that it does not purchase			
152	LIDB/CNAM data directly from any telecommunications carriers. Moreover, the **********			
153	contract shows that Verizon is willing to mandatorily query the CNAM/LIDB information of			
154	another carrier and to enter into a carrier-specific agreement to obtain such information. In the			

155	case of NCC, however, Verizon has said it will not dip that data for NCC either directly or		
156	through a third party if NCC stores its own LIDB/CNAM data. See Googe Direct Testimony at		
157	8, lines 8-10 (noting that NCC has two options: store its LIDB/CNAM data with Verizon or store		
158	such data with a third party); see also Verizon Response to NCC DR-118 appended hereto at Ex.		
159	A. That discrepancy, on its face, appears to be a discriminatory practice by Verizon against		
160	NCC vis-à-vis at least one competitive carrier: ********.		
161	Q: Is NCC going to store its own LIDB/CNAM data in NCC-owned and –controlled		
162	databases?		
163	A: Yes.		
164	Q: Will all carriers have access to that data?		
165	A: Yes. Every carrier wishing to access NCC's LIDB/CNAM data will be able to access the		
166	data in the same manner that Verizon provides access to its LIDB/CNAM data. Carriers will		
167	have two options for such access: (1) direct querying of NCC's database, or (2) indirect querying		
168	through a third party. In either instance, as is the case in Verizon's data storage, the data will be		
169	stored in a single location owned and controlled by NCC.		
170	NCC takes a few simple steps. First, NCC stores its own data in its own database,		
171	allowing NCC to retain control over that data. Second, NCC revises the point locations in the		
172	national LERG and LNP databases. The revised point locations will cause LIDB/CNAM queries		
173	to be directed to NCC's database rather than the VeriSign database, to which those indicators		
174	currently point. The companies querying NCC's data will not notice any changes.		
175	Q: Is NCC seeking to require Verizon to access NCC's LIDB/CNAM data in a manner		
176	different from the way all other carriers will be able to access the data when NCC stores that data		
177	in its own databases?		
178	A: Absolutely not. As noted previously, each carrier will have two ways to obtain the data:		
179	(1) purchasing directly from NCC, or (2) purchasing indirectly by having a third party perform		
180	the query on the carrier's behalf.		

181	Q: For purposes of clarification, can you explain the difference between direct and indirect
182	queries?
183	A: Yes. Let's assume that Verizon obtains its SS7 links from AT&T and that Verizon wants
184	to query Sprint/Embarq data. Verizon can submit a LIDB/CNAM query to AT&T and request
185	that AT&T perform the query for Verizon. AT&T will bill Verizon based upon a rate that
186	AT&T negotiated with Sprint/Embarq plus a transport charge. This can be described as
187	indirectly querying or dipping another carrier. On the other hand, Verizon could elect to send its
188	query using SS7 links that it has in place with Sprint/Embarq or request that AT&T allow the
189	query to go directly to Sprint/Embarq's LIDB/CNAM database. In that instance, Sprint/Embarq
190	would recognize the query as being from Verizon and then bill Verizon (not AT&T) for the
191	query. That would be a direct query of LIDB/CNAM data by Verizon from Sprint/Embarq.
192	Q: Once NCC rolls out its own LIDB/CNAM database, will carriers be able to access that
193	data from VeriSign?
194	A: No. A carrier may store its LIDB/CNAM in only one database (i.e., the point locations
195	used to direct queries cannot be assigned to more than one location/destination). When NCC
196	rolls out its LIDB/CNAM database, the point locations will go to NCC's database. NCC's
197	LIDB/CNAM data will no longer be stored in VeriSign's database, and <i>all</i> carriers will be
198	obtaining NCC's LIDB/CNAM data from the same place: NCC's database.
199	Q: Are there any misconceptions regarding Verizon's current access to NCC's LIDB/CNAM
200	data that you feel need to be clarified?
201	A: Yes. It would appear Staff believes that NCC is requesting that Verizon send
202	LIDB/CNAM queries directly to NCC rather than going through VeriSign. That's not accurate.
203	Unfortunately, there are many terms floating around in this proceeding. Verizon is not currently
204	going "through" VeriSign to obtain NCC's LIDB/CNAM data. Verizon goes directly to
205	VeriSign to get NCC's data. VeriSign houses the NCC LIDB/CNAM data. NCC has no plans to
206	disconnect its SS7 links with VeriSign. Those links allow NCC to get to the SS7 network of the

country. NCC's intention is to house its LIDB/CNAM data in its own database instead of storing
that data in VeriSign's database. Verizon can still send the queries the same way it currently
reaches VeriSign. VeriSign will simply route those queries to NCC's database instead of
dipping VeriSign's database for that information. NCC will then bill Verizon for the queries.
In short, NCC is simply asking to do the same thing that Verizon does.
Q: Verizon argues that it cannot be compelled to purchase NCC's LIDB/CNAM data. Is
that correct?
A: No. Verizon asserts it cannot be compelled to purchase NCC's LIDB/CNAM data in
order to provide Verizon's services to Verizon's end users. See Googe Direct Testimony at 5.
That argument is based on a false premise. First of all, consumers expect to receive Caller ID
information, including Calling Party Name information, when they receive calls and have their
Caller ID information, including Calling Party Name information, transmitted when they place
calls. Indeed, Verizon has noted that reality in its own discovery responses. See Lesser Direct
Testimony, lines 114-122; see also Verizon Response to NCC DR-28 appended hereto at Exhibit
C. Furthermore, Verizon <i>must</i> obtain NCC's LIDB/CNAM data for certain types of calls. For
instance, for Verizon's end users to place collect or third-party billed calls to NCC end users,
Verizon must access the LIDB data of NCC's called party to verify the acceptance of such
charges for the called number.
Moreover, the fact that Verizon has queried and continues to query NCC's LIDB/CNAM
data so long as it is stored with VeriSign – but will cease doing so when NCC moves the data to
an NCC database – shows that Verizon is not willing to pay just compensation to NCC for the
data. On the one hand, if Verizon can obtain the information at no or little charge, it will do so.
If, on the other hand, Verizon must pay a rate to NCC similar to the rate it charges NCC for the
same data, Verizon refuses to query the data. This is merely another example of Verizon's
efforts to leverage its market power to its own economic benefit and to the financial detriment of
its smaller competitors.

- 233 **Q:** Does Verizon's 1-800-COLLECT service query LIDB/CNAM data?
- 234 **A:** Yes. When I placed a test call, Verizon's 1-800-COLLECT service queried the
- 235 applicable LIDB/CNAM data.
- 236 **Q:** Verizon testifies that it may choose not to query LIDB/CNAM data. Is that a reasonable
- 237 statement?
- 238 A. No. A carrier would be ill-advised not to query LIDB/CNAM data and still permit calls
- to be completed. Fraud losses would be tremendous. Customers could fabricate calling card
- numbers, bill third-party calls to payphones, unsuspecting businesses and residential consumers,
- and make collect calls from payphone to payphone.
- 242 **Q:** Do you know of any carriers that allow such calls to be placed without querying
- 243 LIDB/CNAM data?
- 244 **A:** None that are still in business.
- 245 **Q:** Are you qualified to make that statement?
- 246 A: Yes. In 1983 and 1984, I worked as an independent security consultant for Western
- 247 Union Metrophone assisting in combating fraud.
- 248 **Q:** Are you aware of any instance in which Verizon does not query LIDB/CNAM data for
- 249 collect calls to Verizon's customers?
- 250 **A:** No.
- 251 **Q:** Are you aware of any instance in which Verizon does not query LIDB/CNAM data for
- 252 third-party calls billed to Verizon's customers?
- 253 **A:** No.
- 254 **Q:** Are you aware of any instance in which Verizon does not query LIDB/CNAM data to
- validate Verizon's calling cards?
- 256 **A:** No.
- 257 **Q.** What would happen if Verizon failed to query NCC's LIDB/CNAM data prior to
- allowing a call to be placed?

259	A.	I suspect that Verizon would contact NCC to put a charge on the NCC customer's bill. I
260	assume	e Verizon would seek payment for the call. NCC's customers would be very frustrated if
261	they ha	ad a third number charge (cramming) put on their bill when they ordered third number call
262	blocki	ng from NCC.
263	Q.	If a customer had a Verizon line would it be any different?
264	A.	Absolutely. Verizon honors LIDB and blocking requests for its own customers. In other
265	words,	a Verizon customer would not have to worry about a collect call or third-number billing
266	charge	showing up on his bill if that customer had requested a block. Customers hate when these
267	charge	s show up on their bills. That is why anti-cramming rules exist.
268	Q.	Verizon states that it is under no obligation to offer Caller ID ("CID") services. Is this an
269	accura	te statement?
270	A.	No. Verizon has a tariff that contains provisions for the offering of CID services.
271	Verizo	n cannot unilaterally stop offering a service unless it first receives the Commission's
272	permis	sion to cease offering and providing the service.
273	Q:	Is there validity to Verizon's argument that it discloses the limitations of calling name
274	and nu	mber delivery in its promotional materials and tariffs?
275	A:	No. Verizon asserts that it informs its end users that calling name and number
276	inform	ation may not always be transmitted to the end user's Caller ID display. See Googe Direct
277	Testim	ony at 11, lines 13-21. Although Verizon's promotional and tariff materials disclose that
278	calling	name and number information may not always be displayed for incoming calls, Verizon's
279	materi	als do not disclose that there is whole a category of callers that Verizon will not transmit
280	call da	ta on, simply because Verizon chooses not to access information that is available to it.
281	Verizo	n is not telling its own customers the real reason for such omissions; that Verizon
282	selecti	vely omits the information by refusing to dip the data belonging to certain carriers.
283	Verizo	n's selective omission of calling name and number information is clearly discriminatory,

anticompetitive and unlawful.

285	Q.	Mr. Googe testifies that Verizon takes great care to educate its Caller ID customers on the		
286	point that not every call will be displayed with a name and number. Do you agree with that			
287	statement?			
288	A.	No. In the course of discovery in this proceeding, NCC propounded data requests		
289	seeking	g all the documentation to show the "great care" that Verizon takes to educate its		
290	customers. Verizon provided scant information. See Verizon Response to NCC DR-176			
291	attached hereto at Exhibit D. Verizon provided no scripts or training material for their sales			
292	agents and customer service reps. In addition, the Verizon website is deceptive in that it does not			
293	disclose that Verizon may merely elect not to query the data. See Exhibit E. Verizon's website,			
294	instead, implies that some data is simply unavailable. Finally, customers rarely, if ever, consult			
295	carrier	s' tariffs to educate themselves on service offerings. Regardless, the applicable Verizon		
296	tariff fa	ails in terms of full disclosure in the same manner as the website: the tariff implies that		
297	some d	lata is simply unavailable without disclosing the fact that Verizon makes affirmative		
298	decisio	ns not to query certain the data of some carriers.		
299	Q.	Verizon has testified that its decision not to purchase LIBD/CNAM information directly		
300	from N	ICC does not adversely affect NCC's end users. Do you agree with this?		
301	A.	Absolutely not. Mr. Googe has held a management position in Product Management and		
302	Produc	et Development. He is well aware that the reason Verizon sells CID and the services that		
303	used L	IDB is to fulfill customers' needs and make money. If the services were not popular,		
304	Verizo	n would not sell the products. It doesn't take a rocket scientist to figure that out.		
305		Verizon is attempting to create an unlevel playing field. No customer will want NCC		
306	phone	service if his caller name is not going to show up on the display units of the second largest		
307	phone	company in the U.S. Verizon's own statistics show how popular Caller ID with Name		
308	Delive	r is. See Verizon Response to Staff DR JZ VZ-6, appended hereto at Exhibit F.		
309	Custor	ners screen calls when the number shows up as unavailable. Second, customers expect the		
310	calling	cards that NCC issues to work when they travel to Verizon territory. The calling cards		

are not worth the plastic they are printed on if they will not work in Verizon territory. Third,
customers want to be able to receive collect calls. If customers cannot receive collect calls using
an NCC telephone number, they will sign up with Verizon instead. Fourth, customers want to be
able to bill third number charges to their telephone. Finally, selling calling name information is a
way that telephone companies make money. Verizon would like to artificially increase the cost
of the "little guys" like NCC by making us pay more for Verizon's data than Verizon is willing
to purchase our data. This means that we have to pass this cost on to our customers.
Q: Are there other ways that Verizon's refusal to purchase LIDB/CNAM from NCC
adversely impacts NCC's end user customers?
A: Yes. That refusal certainly impacts NCC's customers and the breadth and relative value
of NCC's service offerings. Verizon argues that its refusal has no negative impact because it
currently obtains NCC's LIDB/CNAM data through third-party queries. See Googe Direst
Testimony at 7-8. However, Verizon simply ignores the fact that it will cease those queries
when NCC moves to storing such information in NCC's own LIDB/CNAM database. In its
direct testimony, Staff explained that there are indeed "some instances in which the service that
NCC customers received will be impaired," going on to outline several instances of impacted
service that would render NCC's service inferior to that service provided by Verizon. See
Zolnierek Direct Testimony, lines 286-323.
Staff's position mirrors many of the points made in my direct testimony. Furthermore,
Staff explains that "Verizon's failure or refusal to obtain NCC LIDB and CNAM information has
a much larger potential to negatively affect NCC's business than does the failure or refusal of
NCC to obtain Verizon LIDB and CNAM information to negatively affect Verizon's business."
See Zolnierek Direct Testimony, lines 338-341.
Q: Is there any reason Verizon would benefit from making NCC's service inferior compared
to Verizon's service?

336	A: Of course. Verizon would have a built-in marketing strategy to discredit NCC's service
337	(and the service of any other CLEC that refuses to be bullied in this manner) as an inferior
338	product because NCC can't even have its end users' calling name and number information
339	transmitted to other end users.
340	Q: But NCC has only a handful of customers and fewer than 100 lines. Is that a compelling
341	competitor to target?
342	A: In my experience, Verizon has yet to meet a competitor that it did not wish to discredit
343	and destroy. If Verizon can stop a competitor at 3 customers and 96 lines, then Verizon doesn't
344	have to worry about interfering with that company's business when it has 3,000 customers and
345	96,000 lines. NCC would caution the Commission and Staff that this is not just about NCC.
346	This issue permeates the market wherever Verizon is successful in pressuring a company to
347	make the same unsavory choice NCC is facing here.
348	Q. Verizon says that NCC's Complaint is much to do about nothing because you don't know
349	how many CNAM queries NCC has received from Verizon Illinois. Do you agree with this?
350	A. No. It doesn't matter if NCC receives a thousand or a million dips. The Telecom Act
351	says nothing about treating "the big guys" different from "the little guys." Second, since January
352	2006, NCC has received approximately 68,000,000 LIDB/CNAM dips from Verizon. NCC
353	simply does not know what Verizon company queried NCC's LIDB/CNAM data because
354	VeriSign does not provide information to NCC at such a granular level.
355	Q: Do you have any comment to Verizon's argument that it does not discriminate against
356	NCC because it refuses to buy LIDB/CNAM data directly from any carrier?
357	A: Yes. Verizon trots out a very brazen argument when it states that it treats everyone the
358	same way. In essence, Verizon admits that it treats all carriers in an anticompetitive manner.
359	That Verizon's anticompetitive behavior is widespread should not create a safe harbor for
360	Verizon to continue engaging in that anticompetitive behavior. In addition, the **********
361	agreement appears to belie Verizon's argument. See Lesser Direct Testimony, Ex. S.

Moreover, Verizon's argument that it treats everyone in the same anticompetitive fashion
ignores the fact that Verizon does not treat itself in the same manner. In other words, Verizon
stores its own data, thereby eliminating third-parties for the querying, access and transmission of
a vast amount of data in Verizon's service territories, but it claims it will not query or access the
data of other carriers if those carriers store their own LIDB/CNAM data in their own databases.
See Googe Direct Testimony at 8, lines 8-10 (noting that NCC has two options: store its
LIDB/CNAM data with Verizon or store such data with a third party); see also Verizon
Response to NCC DR-118 appended hereto at Ex. A.
Q: Do you agree with Staff's statement, in its Direct Testimony at lines 347 through 358,
that it is not anticompetitive for Verizon to use a third-party vendor to obtain NCC LIDB/CNAM
information?
A: No. With all due respect, I must disagree with Staff's conclusion on that point. In
particular, Staff's analysis and conclusion does not consider the fact that Verizon requires NCC
to store its LIDB/CNAM data with a third party approved by Verizon if NCC wishes to have its
LIDB/CNAM data queried by Verizon. Verizon sets both the rates that the third-party database
providers can collect from Verizon and the amounts those third parties will pay to carriers like
NCC for Verizon's querying of and access to the CLECs' data stored with those third parties.
Q: In the Zolnierek Direct Testimony, lines 347-358, Staff discusses the anticompetitive
impact that could result if Verizon and other parties were prevented from using third-party data
vendors. Is NCC seeking to prohibit Verizon or any other carrier from using a third party to
query and access NCC's LIDB/CNAM data?
A: No. NCC is seeking to eliminate the unfair advantage Verizon possesses in the
LIDB/CNAM market, which prohibits NCC from both storing its own data and providing access
to that data to Verizon in order to ensure NCC may offer services comparable to those services
offered by Verizon. In addition, NCC seeks to end the control Verizon exerts over the list of
third-party vendors from which NCC must choose to store its LIDB/CNAM data. Based on

388	conversations with VeriSign representative, NCC believes that Verizon caps the rates it will pay		
389	to NCC and other carriers for Verizon's access to NCC's and other carriers' LIDB/CNAM data.		
390	Of course, Verizon has refused to disclose agreements it has with those third parties, and a		
391	motion to compel further responses to data requests regarding that topic is pending before the		
392	Comm	ission in this proceeding.	
393	Q:	Do you agree with Verizon's comments regarding technical impediments to NCC's	
394	transm	itting LIDB/CNAM data to other carriers?	
395	A:	No, I do not. Mr. Googe states that he has no technical expertise, and thus, he is not in a	
396	positio	n to provide meaningful testimony regarding technical matters. In addition, as discussed	
397	in my direct testimony, NCC does not require SS7 trunks with Verizon to receive collect or		
398	third-p	arty billed calls. Furthermore, NCC does not need MF trunks to allow its calling cards to	
399	be used in Verizon territory. Moreover, NCC does not need direct trunks to Verizon in order to		
400	have NCC's calls routed or its Caller ID information delivered to Verizon. NCC currently route		
401	all of its calls indirectly through other carriers. Those carriers then pass all the appropriate call		
402	data to display NCC's customers' Caller ID information.		
403	Q:	Verizon devotes a significant amount of testimony addressing SS7. What is SS7?	
404	A:	SS7, which stands for Signaling System 7, is a protocol used in the public switched	
405	telepho	one network for setting up calls and providing access to databases. There are two types of	
406	protocols used in SS7: TCAP (Transaction Capabilities Application Part) and ISUP (ISDN User		
407	Part).	TCAP is used for database lookups such as LIDB and CNAM. ISUP is used for actually	
408	setting up the call.		
409	Q:	What is your response to Verizon's discussion of SS7 technology?	
410	A:	First, Verizon raises the issue of SS7 technology as a mere smokescreen to obfuscate the	
411	real issues in this proceeding. The entire subject of SS7 technology is irrelevant. I believe		
412	Verizon hopes its attempts to insert technical jargon into this discussion will either confuse the		

413	Comn	nission or lead the Commission to believe that, as a matter of technology, Verizon is
414	requir	red to operate in the anticompetitive manner about which NCC complains in this case.
415		It is a simple task to create and populate a database program. NCC has stated repeatedly
416	that it	is ready to roll out its own database containing NCC's LIDB/CNAM data. In addition,
417	NCC	has stated that it has SS7 capabilities and is prepared to implement SS7 in Illinois
418	imme	diately. As NCC has explained previously, it has not implemented the database and SS7
419	capab	ilities because the largest provider in NCC's Illinois service area $-i.e.$, Verizon $-$ has
420	refuse	ed to query NCC's data if NCC hosts its own data. Any Verizon argument that implies
421	NCC does not possess the tools needed to host its own LIDB/CNAM data is a red herring and	
422	comp	lete falsehood.
423	Q.	Mr. Googe avers that NCC admitted it has not invested in the SS7 signaling capabilities
424	necessary to host and transmit its own CNAM/LIDB data. Is this accurate?	
425	A.	Absolutely not. This is a completely untrue.
426	Q:	Is it difficult for NCC to convert the MF trunks it has with Verizon to SS7?
427	A:	No. First of all, depending on how difficult Verizon continues to be, NCC may never
428	conve	ort them to SS7 in Illinois. For incoming calls, NCC doesn't need SS7 for its customers to
429	receiv	re collect calls or third party billing charges using LIDB. For outbound trunks and CLID,
430	since	Verizon continues to thwart NCC at every concern, NCC may use a third party to route
431	calls t	o Verizon. In fact, this is what NCC currently does.
432	Q:	If NCC decides to convert its trunks or set up new SS7 trunks in Illinois with Verizon,
433	how le	ong will it take?
434	A:	NCC would simply submit one ASR to Verizon, and the trunks should be installed within
435	appro	ximately thirty days, assuming Verizon does not delay installation in a further attempt to
436	hinde	r and harm NCC's business.
437	Q:	Does NCC need to convert it interconnection trunks with Verizon to SS7 in order to host

its own CNAM/LIDB database?

- 439 **A:** Absolutely not. A TCAP SS7 network for database lookups such as CNAM/LIDB and
- an ISUP SS7 network for call routing are not mutually exclusive.
- 441 **Q.** Verizon testifies that NCC needs SS7 to query LIDB. Is that correct?
- 442 A. No. You can use SS7 but there are many different protocols that can be used. For
- example, North County had an X.25 connection with VeriSign for over ten years to query LIDB.
- 444 Many companies are now letting you query LIDB using the Internet.
- 445 Q. Verizon also comments on NCC hosting its own LIDB and CNAM database and not
- having an SS7 network. Are those comments accurate?
- 447 A. No. Apparently, Mr. Googe doesn't understand the difference between and ISUP and
- 448 TCAP messages as I discussed in my direct testimony. NCC has a TCAP and ISUP SS7 network.
- We just don't have SS7 trunks used for voice calls to Verizon in Illinois. As I discussed, this has
- 450 nothing to do with NCC hosting its own CNAM and LIDB database and connecting with carriers
- 451 by SS7 to access that data.
- 452 **Q.** Verizon also states that NCC is trying to force Verizon to subsidize the cost of building
- out NCC's SS7 network. Is this accurate?
- 454 **A.** No. NCC is not asking Verizon to subsidize anything.
- 455 Q. Mr. Googe says that no other carriers would be able to access NCC's CNAM and LIDB
- database because NCC has MF signaling on it trunks with Verizon in Illinois. Is this true?
- 457 A. He is simply wrong. The MF trunks of which Mr. Googe talks about are used for voice
- 458 communications, not data DIPS. No one uses voice trunks for data DIPS. It is not even possible
- 459 to send data DIPS on voice trunks, even if NCC converted the trunks to SS7. Voice trunks are
- 460 configured using ISUP. Database queries utilize SS7 links and TCAP.
- 461 **Q:** Is it difficult for you to turn up your own CNAM/LIDB database?
- 462 A: No. Verizon is attempting to utilize a series of technical terms to obfuscate the issues and
- confuse the Commission to make it sound like this is something difficult for NCC to set up. It is
- obviously difficult for a lay person to do this, but I am not new to the industry. I have been in

465	the industry for over twenty-two years. Since 1996, I have personally set up and/or maintained		
466	CLEC interconnection points in twelve locations covering seven states and three operating		
467	companies: Qwest, AT&T and Verizon. I have SS7 in four locations. Since 1990, I have set up		
468	long distance interconnections in forty-three locations.		
169	Q: What is the relevance of Verizon's discussion concerning the size of NCC's customer		
470	base?		
471	A: Verizon defends its actions and requests judgment in its favor by saying that NCC's		
472	customer base is made up entirely of commercial end users and that NCC has a small number of		
473	customers and lines, and thus, the action is of little or no consequence. See Googe Direct		
474	Testimony at 15-18. That discussion should be discarded without lending any credence to it.		
475	With regard to prohibitions on discrimination and anticompetitive behavior, the Commission's		
476	rules and the laws of Illinois do not distinguish between commercial and residential customers.		
477	Furthermore, the rules and laws are not applicable only when a carrier achieves a certain number		
478	of customers or lines. To hold otherwise would allow Verizon to crush competitors and say, in		
479	essence, "come back when you get bigger." Verizon appears to wish that justice operated on a		
480	sliding scale.		
481	Q: Does the fact that NCC's customers received no collect or third-party billed calls from		
482	Verizon's end users in 2006 moot the Complaint?		
483	A: Absolutely not. If Verizon were permitted to trot out that argument successfully every		
184	time it stymied a competitor, it would never be required to change any of its unfair and		
485	anticompetitive practices. The standard for determining whether an action is unfair,		
486	discriminatory, and/or anticompetitive is not the actual impact; rather, it is the potential impact of		
187	the disputed conduct. See, e.g., Cox Communs. PCS, L.P. v City of San Marcos (2002, SD Cal)		
188	204 F Supp 2d 1272, injunction granted, in part, injunction denied, in part (2002, SD Cal) 204 F		
189	Supp 2d 1260 (holding that declaratory judgment is appropriate where local regulations <i>may</i>		
490	violate 47 USCS § 253).		

Mr. Googe says that telemarketers do not routinely accept collect calls. Is this an

192	accura	ate?	
493	A.	I can think of multiple examples that an outbound call center wants collect calls. For	
194	examp	ble, credit card companies tell you to call back collect if you can't reach their 800 number.	
495	Person	nal Injury attorneys tell you to call them collect. It really depends on the type of call. One	
496	canno	t accurately assert such a generalization.	
197	Q.	Mr. Googe also comments on the availability of unbundled network elements ("UNEs")	
498	in his	discussion of LIDB and CNAM. Does his discussion have any relevance in this situation?	
199	A.	Not in the least. As Mr. Googe states, he is neither an attorney nor a technician, and I	
500	suspec	ct this is why he completely misunderstood what the Federal Communications Commission	
501	was discussing in its Triennial Review Order ("TRO"). The FCC was discussing if the ILEC		
502	should be required to host a CLEC's LIDB and CNAM information in ILEC databases. NCC is		
503	not asking to host its data in Verizon's database. In addition, the FCC discussed whether ILECs		
504	have to offer access to their database as a UNE at TELRIC rates. NCC isn't asking for UNEs in		
505	its Complaint.		
506	Q:	Do you agree with Verizon's assessment of the FCC's TRO?	
507	A:	No, I do not. I, like Mr. Edward Googe, am not an attorney, but Staff's analysis of the	
508	TRO i	in light of the underlying Local Competition Order from the FCC, is the more compelling	
509	interpretation of the changes to CLECs' access to LIDB. See Zolnierek Direct Testimony, lines		
510	360-420.		
511		The FCC has addressed LIDB in terms of a CLEC's need to access LIDB storage	
512	facilit	ies of ILECs to store the CLEC's line information data. It is true that the FCC, in the TRO,	
513	detern	nined that competitive carriers need not be able to house their call-related information in	
514	the IL	ECs' databases; however, it is unlikely the FCC expected ILECs like Verizon to create a	
515	system under which CLECs have limited choices of third-party providers if they wish to have		
516	their I	LIDB/CNAM data accessed by the ILECs like Verizon.	

Q.

517	Q: Despite the FCC's decision that ILECs need not provide access to their databases for
518	CLECs to store CLEC LIDB/CNAM data, Verizon proposed a storage agreement to NCC.
519	Would the LIDB Storage agreement proposed by Verizon resolve the issues in this matter?
520	A: No. The LIDB Storage agreement proposed by Verizon does not contain any provisions
521	to compensate NCC for Verizon's sale of access to NCC's data to other carriers dipping the NCC
522	data. As an additional anticompetitive insult, under the LIDB Storage agreement, Verizon would
523	be free to query the NCC data without charge and NCC would have to pay to access or query its
524	own data. See Lesser Direct Testimony, lines 134-160.
525	Verizon's interpretation of its offer reads like a fairytale of a handsome knight coming to
526	the rescue of poor NCC, offering up Verizon's databases for free storage and free maintenance.
527	Verizon conveniently fails to disclose, in its telling of the tale, that it makes significant amounts
528	of money off the stored data by selling it to other carriers without sharing any of that money with
529	NCC and by charging NCC to access its own data. See Lesser Direct Testimony, lines 141-153.
530	Q: Verizon has testified that the statutes and regulations governing the calling information
531	that must be passed along by telemarketers do not guarantee receipt of that calling information.
532	Is that correct?
533	A: It is correct that telemarketers cannot intentionally block their calling information.
534	However, telemarketers are not telecommunications carriers. Accordingly, they are not
535	responsible for the actual transmission of calling data. Verizon's actions, however, would
536	prevent NCC's telemarketing customers from allowing their calling information to be passed
537	through to called parties. That result would cause NCC's telemarketing customers to find NCC's
538	service less attractive. To quote Tom Searcy, CEO of the America Teleservices Association, the
539	largest industry group for companies that operate call centers for outbound calling of consumer,
540	when calling names are not delivered, "it creates an image that somebody is trying to hide
541	something[, and w]e need to eliminate that potential confusion." See Exhibit H.

542	Q:	Verizon, at page 33 of Edward Googe's Direct Testimony, criticizes NCC's inability to
543	cite th	e exact number of LIDB/CNAM queries it has received from Verizon. Is that a fair
544	criticis	sm?
545	A:	No it is not a fair criticism. Verizon's approved third-party providers, such as VeriSign,
546	do not	provide breakdowns by state or region for the number of LIDB/CNAM queries performed
547	on bel	half of NCC. Again, Verizon points to something as a deficiency when the situation is the
548	direct	result of the manner in which Verizon has gamed the system. It should be noted, however,
549	that N	CC could provide state-by-state and region-by-region detail if it stored its own
550	LIDB	CNAM data in its own databases, another competitive benefit of hosting one's own data.
551	Q:	Is Verizon correct in its assessment of the reasons NCC brought this Complaint?
552	A:	Verizon states that NCC brought this complaint for financial gain. See Googe Direct
553	Testin	nony at 13-14. It is true that this Complaint follows on the heels of NCC's successful
554	compl	aint against Verizon in ICC Docket No. 02-0147, but that is a matter of Verizon's making.
555	In my	extensive experience with ILECs, Verizon has demonstrated an uncanny ability to reveal
556	discrir	minatory, unfair and anticompetitive behavior on a daily basis. Verizon appears to
557	systen	natically reveal its discriminatory and anticompetitive practices one by one, so that NCC is
558	forced	to fight battles against Verizon at every step of the way from the day NCC initially
559	reques	sted interconnection with Verizon to the present and beyond. In addition, Verizon, due to
560	its mo	nopoly power and presence in service territories across the country, unveils its
561	discrir	minatory and anticompetitive conduct on a state-by-state basis. For example, a battle won
562	by NC	CC in Illinois will certainly come up again in New York. Verizon's accusations that NCC
563	is som	ehow unfairly parlaying its victory in ICC Docket No. 02-0147 into any financial gain in
564	this pr	occeeding is nonsense. Verizon conveniently omits the fact that the Commission allowed
565	only 1	/5 th of the fees NCC was originally awarded in that action. The cost of justice was steep,
566	and af	forded no profit. To the contrary, it cost NCC dearly; a result Verizon counts on. Verizon

567	is used to destroying its opponents through the hefty costs of litigation, and Verizon is annoyed
568	that it was not able to deplete NCC's finances with a single piece of litigation in Illinois.
569	NCC brought this action – just as it brought the action in ICC Docket No. 02-0147 – to
570	put an end to an anticompetitive and discriminatory practice employed by Verizon.
571	Q. Mr. Googe testifies that NCC's stance in this proceeding is akin to asserting that other
572	telecommunications carriers would have a claim against Verizon anytime Verizon's customers
573	lose dial tone for some reason because the service to those other carrier's customers is
574	"impacted" when they cannot complete calls to Verizon customers. Is that a fair analogy?
575	A. No. First of all, carriers are immune of lawsuits related to problems associated with their
576	customers not having dial tone. Second, falsely advertising to their own customers the reasons
577	why calling name doesn't show up and using their market dominance to cause us to have an
578	inferior product is a completely different issue.
579	Q. Verizon says there will be huge administrative overhead to purchase NCC's CNAM and
580	LIDB data. Is this accurate?
581	A. No. It is a cost of doing business. I am sure that Verizon would like no small
582	competitors, but the Telecom Act does not allow them to discriminate against smaller carriers.
583	Verizon's refusal to purchase NCC's LIDB/CNAM data if NCC stores that data in NCC
584	databases is about price. Verizon wants to lower the cost of its purchase of LIDB/CNAM
585	information so it can maximize profit on its Caller ID/Calling Name products either by paying
586	less than Verizon charges for the same information or by not dipping NCC at all. Verizon knows
587	it will receive few complaints, if any, if the CNAM information of a small carrier does not
588	appear up on the Caller ID displays of Verizon's customers. The "overhead" argument is a
589	complete red herring. For instance, Verizon has no problem giving NCC a direct CNAM/LIDB
590	contract. In that situation, Verizon does seem to care about "overhead." Verizon can use the
591	same SS7 links NCC uses to purchase Verizon's data. Alternatively, Verizon could simply send
592	dips to NCC using Verizon's existing SS7 links. I suspect this is how Verizon interconnects

593	with *********. NCC will still use VeriSign as its SS7 provider, and Verizon clearly
594	connects to VeriSign.
595	Finally, Verizon gets the benefit of having a nationwide agreement with NCC; like
596	Verizon's agreement with ***********************. NCC has received approximately 68,000,000
597	LIDB/CNAM queries from Verizon since January 2006. See NCC Response to Verizon DR-10,
598	appended hereto at Exhibit G. The administrative overhead on that number of dips is nominal.
599	Verizon's actions are intended to make NCC's phone service less desirable than Verizon's phone
600	service.
601	Q: Does Staff's direct testimony, coupled with Verizon's direct testimony and discovery
602	responses to date, support the conclusion that Verizon has engaged in discriminatory,
603	anticompetitive and otherwise unlawful conduct?
604	A: Yes. However, I believe Staff's ultimate conclusion is not completely consistent with the
605	smaller individual conclusions it reached in its direct testimony.
606	For instance, Staff has concluded that Verizon should not be permitted to dictate how,
607	with whom and under what conditions NCC may store its LIDB/CNAM data. See, e.g.,
608	Zolnierek Direct Testimony, lines 478-487.
609	In addition, Staff agrees that NCC may store its own LIDB/CNAM data in NCC's own
610	databases. See Zolnierek Direct Testimony, lines 413-420.
611	Furthermore, Verizon has admitted that, if NCC stores its own LIDB/CNAM data, then
612	Verizon will no longer query that NCC data. See Lesser Direct Testimony, lines 180-182, Ex. J;
613	see also Googe Direct Testimony at 8, lines 8-10 (noting that NCC has two options: store its
614	LIDB/CNAM data with Verizon or store such data with a third party); see also Verizon
615	Response to NCC DR-118 appended hereto at Ex. A.
616	Moreover, Staff has noted extensively the anticompetitive results of any Verizon refusal
617	to access NCC's LIDB/CNAM data and the general principle that Verizon should not refuse to

618	access that data if it may be obtained at just and reasonable rates. See, e.g., Zolnierek Direct	
619	Testimony, lines 279-343.	
620		Staff notes its concerns that Verizon's plan to consolidate by contract its third-party
621	queryii	ng efforts into a single intermediary has the potential to be anticompetitive because the
622	planne	d contractual relationship may prohibit Verizon from obtaining NCC's LIDB/CNAM data
623	from NCC's databases. See Zolnierek Direct Testimony, lines 463-487. Those fears, however,	
624	have b	een realized already. As noted throughout this proceeding, Verizon already limits NCC's
625	options for storing NCC's LIDB/CNAM data, and Verizon has stated its intention to cease	
626	querying NCC's data once NCC begins storing its own data. See Googe Direct Testimony at 8,	
627	lines 8-10 (noting that NCC has two options: store its LIDB/CNAM data with Verizon or store	
628	such data with a third party); see also Verizon Response to NCC DR-118 appended hereto at E	
629	A. The	e anticompetitive harm posed to NCC is actual, not merely potential.
630		Similarly, Staff explains that the Verizon-selected third-party provider could have
631	substai	ntial leverage over NCC to impose unreasonable and/or discriminatory rates on NCC.
632	Again,	that is an actuality today. Verizon controls the rates it will pay to the third-party
633	provide	ers and, thus, controls the small rate NCC obtains for Verizon's access to NCC's
634	LIDB/	CNAM data. See Verizon Supplemental Response to Staff DR JZ VZ-8, a copy of which
635	is appe	nded hereto at Ex. B.
636		When one adds up those individual conclusions, one must determine that Verizon's
637	planned action to cease querying NCC's LIDB/CNAM data produces an unlawful result. To	
638	quote Staff, I would reiterate that "Verizon should not be able to use a 'poison pill' arrangement	
639	to impose on NCC, either directly or indirectly, anti-competitive rates, terms, and conditions for	
640	the provision of LIDB and CNAM information." See Zolnierek Direct Testimony, lines 577-	
641	578.	
642	Q:	Does this conclude your rebuttal testimony?
643	A:	Yes, it does.